

Serial Number:

01658,699

ENTERED

Changed a file from non-ASCII to ASCII.

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as _____.

Inserted mandatory headings, specifically: <220> feature (Segs. #2 and 4)

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

Other:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/658,699

DATE: 09/27/2000
 TIME: 09:59:25

Input Set : A:\Cpg.pto
 Output Set: N:\CRF3\09272000\I658699.raw

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3 <110> APPLICANT: De Waal Malefyt, Rene
4   Kastelein, Robert A.
5   Lira, Sergio A.
6   Narula, Satwant
7   Oppmann, Birgit
8   Rennick, Donna M.
9   Wiekowski, Maria
11 <120> TITLE OF INVENTION: Mammalian Cytokines; Related Reagents and Methods
13 <130> FILE REFERENCE: DX01042X US
C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/658,699
C--> 16 <141> CURRENT FILING DATE: 2000-09-08
18 <150> PRIOR APPLICATION NUMBER: 09/393,090
19 <151> PRIOR FILING DATE: 1999-09-09
21 <150> PRIOR APPLICATION NUMBER: 60/164,616
22 <151> PRIOR FILING DATE: 1999-11-10
24 <160> NUMBER OF SEQ ID NOS: 5
26 <170> SOFTWARE: PatentIn Ver. 2.1
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 570
30 <212> TYPE: DNA
31 <213> ORGANISM: Unknown Organism
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Homo
35   sapiens
37 <220> FEATURE:
38 <221> NAME/KEY: CDS
39 <222> LOCATION: (1)..(567)
41 <220> FEATURE:
42 <221> NAME/KEY: mat_peptide
43 <222> LOCATION: (64)..(567)
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48   -20          -15          -10
50 gct cag ggc aga gct gtg cct ggg ggc agc agc cct gcc tgg act cag 96
51 Ala Gln Gly Arg Ala Val Pro Gly Gly Ser Ser Pro Ala Trp Thr Gln
52   -5          -1    1          5          10
54 tgc cag cag ctt tca cag aag ctc tgc aca ctg gcc tgg agt gca cat 144
55 Cys Gln Gln Leu Ser Gln Lys Leu Cys Thr Leu Ala Trp Ser Ala His
56   15          20          25
58 cca cta gtg gga cac atg gat cta aga gaa gag gga gat gaa gag act 192
59 Pro Leu Val Gly His Met Asp Leu Arg Glu Glu Gly Asp Glu Glu Thr
60   30          35          40
62 aca aat gat gtt ccc cat atc cag tgt gga gat ggc tgt gac ccc caa 240
63 Thr Asn Asp Val Pro His Ile Gln Cys Gly Asp Gly Cys Asp Pro Gln
64   45          50          55
66 gga ctc agg gac aac agt cag ttc tgc ttg caa agg atc cac cag ggt 288

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RAW SEQUENCE LISTING DATE: 09/27/2000
 PATENT APPLICATION: US/09/658,699 TIME: 09:59:26

Input Set : A:\Cpg.pto
 Output Set: N:\CRF3\09272000\I658699.raw

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68   60           65           70           75
70 ctg att ttt tat gag aag ctg cta gga tcg gat att ttc aca ggg gag  336
71 Leu Ile Phe Tyr Glu Lys Leu Leu Gly Ser Asp Ile Phe Thr Gly Glu
72           80           85           90
74 cct tct ctg ctc gat agc cct gtg gcg cag ctt cat gcc tcc cta  384
75 Pro Ser Leu Leu Pro Asp Ser Pro Val Ala Gln Leu His Ala Ser Leu
76           95          100          105
78 ctg ggc ctc agc caa ctc ctg cag cct gag ggt cac cac tgg gag act 432
79 Leu Gly Leu Ser Gln Leu Leu Gln Pro Glu Gly His His Trp Glu Thr
80           110          115          120
82 cag cag att cca agc ctc agt ccc agg cag cca tgg cag cgt ctc ctt 480
83 Gln Gln Ile Pro Ser Leu Ser Pro Ser Gln Pro Trp Gln Arg Leu Leu
84           125          130          135
86 ctc cgc ttc aaa atc ctt cgc agc ctc cag gcc ttt gtg gct gta gcc 528
87 Leu Arg Phe Lys Ile Leu Arg Ser Leu Gln Ala Phe Val Ala Val Ala
88 140           145          150          155
90 gcc cgg gtc ttt gcc cat gga gca gca acc ctg agt ccc taa  570
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101 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Homo
102 sapiens
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108 Ala Gln Gly Arg Ala Val Pro Gly Gly Ser Ser Pro Ala Trp Thr Gln
109   -5            -1           1           5           10
111 Cys Gln Gln Leu Ser Gln Lys Leu Cys Thr Leu Ala Trp Ser Ala His
112           15           20           25
114 Pro Leu Val Gly His Met Asp Leu Arg Glu Glu Gly Asp Glu Glu Thr
115           30           35           40
117 Thr Asn Asp Val Pro His Ile Gln Cys Gly Asp Gly Cys Asp Pro Gln
118           45           50           55
120 Gly Leu Arg Asp Asn Ser Gln Phe Cys Leu Gln Arg Ile His Gln Gly
121   60           65           70           75
123 Leu Ile Phe Tyr Glu Lys Leu Leu Gly Ser Asp Ile Phe Thr Gly Glu
124           80           85           90
126 Pro Ser Leu Leu Pro Asp Ser Pro Val Ala Gln Leu His Ala Ser Leu
127           95          100          105
129 Leu Gly Leu Ser Gln Leu Leu Gln Pro Glu Gly His His Trp Glu Thr
130           110          115          120
132 Gln Gln Ile Pro Ser Leu Ser Pro Ser Gln Pro Trp Gln Arg Leu Leu
133           125          130          135
135 Leu Arg Phe Lys Ile Leu Arg Ser Leu Gln Ala Phe Val Ala Val Ala

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RAW SEQUENCE LISTING DATE: 09/27/2000
 PATENT APPLICATION: US/09/658,699 TIME: 09:59:26

Input Set : A:\Cpg.pto
 Output Set: N:\CRF3\09272000\I658699.raw

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148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Mus sp.
151 <220> FEATURE:
152 <221> NAME/KEY: CDS
153 <222> LOCATION: (113)..(700)
155 <220> FEATURE:
156 <221> NAME/KEY: mat_peptide
157 <222> LOCATION: (176)..(700)
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162 caggccttgtt gcagatcaca gagccagcca gatctgagaa gcaggaaaca ag atg ctg 118
163                               Met Leu
164                               -20
166 gat tgc aga gca gta ata atg cta tgg ctg ttg ccc tgg gtc act cag 166
167 Asp Cys Arg Ala Val Ile Met Leu Trp Leu Leu Pro Trp Val Thr Gln
168           -15          -10          -5
170 ggc ctg gct gtg cct agg agt agc agt cct gac tgg gct cag tgc cag 214
171 Gly Leu Ala Val Pro Arg Ser Ser Ser Pro Asp Trp Ala Gln Cys Gln
172   -1    1          5          10
174 cag ctc tct cgg aat ctc tgc atg cta gcc tgg aac gca cat gca cca 262
175 Gln Leu Ser Arg Asn Leu Cys Met Leu Ala Trp Asn Ala His Ala Pro
176   15          20          25
178 gcg gga cat atg aat cta cta aga gaa gaa gag gat gaa gag act aaa 310
179 Ala Gly His Met Asn Leu Leu Arg Glu Glu Asp Glu Glu Thr Lys
180   30          35          40          45
182 aat aat gtg ccc cgt atc cag tgt gaa gat ggt tgt gac cca caa gga 358
183 Asn Asn Val Pro Arg Ile Gln Cys Glu Asp Gly Cys Asp Pro Gln Gly
184   50          55          60
186 ctc aag gac aac agc cag ttc tgc ttg caa agg atc cgc caa ggt ctg 406
187 Leu Lys Asp Asn Ser Gln Phe Cys Leu Gln Arg Ile Arg Gln Gly Leu
188   65          70          75
190 gct ttt tat aag cac ctg ctt gac tct gac atc ttc aaa ggg gag cct 454
191 Ala Phe Tyr Lys His Leu Leu Asp Ser Asp Ile Phe Lys Gly Glu Pro
192   80          85          90
194 gct cta ctc cct gat agc ccc atg gag caa ctt cac acc tcc cta cta 502
195 Ala Leu Leu Pro Asp Ser Pro Met Glu Gln Leu His Thr Ser Leu Leu
196   95          100         105
198 gga ctc agc caa ctc ctc cag cca gag gat cac ccc cgg gag acc caa 550
199 Gly Leu Ser Gln Leu Leu Gln Pro Glu Asp His Pro Arg Glu Thr Gln
200 110          115         120         125
202 cag atg ccc agc ctg agt tct agt cag cag tgg cag cgc ccc ctt ctc 598
203 Gln Met Pro Ser Leu Ser Ser Gln Gln Trp Gln Arg Pro Leu Leu

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RAW SEQUENCE LISTING DATE: 09/27/2000
 PATENT APPLICATION: US/09/658,699 TIME: 09:59:26

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 Output Set: N:\CRF3\09272000\I658699.raw

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204           130          135          140
206 cgt tcc aag atc ctt cga agc ctc cag gcc ttt ttg gcc ata gct gcc  646
207 Arg Ser Lys Ile Leu Arg Ser Leu Gln Ala Phe Leu Ala Ile Ala Ala
208           145          150          155
210 cgg gtc ttt gcc cac gga gca gca act ctg act gag ccc tta gtg cca  694
211 Arg Val Phe Ala His Gly Ala Ala Thr Leu Thr Glu Pro Leu Val Pro
212           160          165          170
214 aca gct taaggatgcc caggtccca tggctaccat gataagacta atctatcagc  750
215 Thr Ala
216           175
218 ccagacatct accagttaat taacccatta ggacttgc tgttcttgc tcgttgtt  810
220 tgcgtgaagg gcaaggacac cattataaa gagaaaaagaa acaaacccta gagcaggcag 870
222 ctggcttagag aaaggagctg gagaagaaga ataaagtctc gagcccttgg ccttggaaagc 930
224 gggcaagcac ctgcgtggcc tgagggaaag ggggcggtgg catcgagaaa ctgtgagaaa 990
226 accccagagca tcagaaaaag tgagcccagg ctttggccat tatctgttaag aaaaacaaga 1050
228 aaaggggAAC attatactt cctgggtgc tcagggaaat gtgcagatgc acagtactcc 1110
230 agacagcagc tctgtacactg cctgcgtctgt ccctcagttc taacagaatc tagtcaactaa 1170
232 gaactaacag gactccaat acgaactgac aaa                               1203
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236 <211> LENGTH: 196
237 <212> TYPE: PRT
238 <213> ORGANISM: Unknown Organism
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Mus sp.
243 <400> SEQUENCE: 4
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245           -20          -15          -10
247 Thr Gln Gly Leu Ala Val Pro Arg Ser Ser Ser Pro Asp Trp Ala Gln
248           -5           -1           1           5           10
250 Cys Gln Gln Leu Ser Arg Asn Leu Cys Met Leu Ala Trp Asn Ala His
251           15           20           25
253 Ala Pro Ala Gly His Met Asn Leu Leu Arg Glu Glu Glu Asp Glu Glu
254           30           35           40
256 Thr Lys Asn Asn Val Pro Arg Ile Gln Cys Glu Asp Gly Cys Asp Pro
257           45           50           55
259 Gln Gly Leu Lys Asp Asn Ser Gln Phe Cys Leu Gln Arg Ile Arg Gln
260           60           65           70           75
262 Gly Leu Ala Phe Tyr Lys His Leu Leu Asp Ser Asp Ile Phe Lys Gly
263           80           85           90
265 Glu Pro Ala Leu Leu Pro Asp Ser Pro Met Glu Gln Leu His Thr Ser
266           95           100          105
268 Leu Leu Gly Leu Ser Gln Leu Leu Gln Pro Glu Asp His Pro Arg Glu
269           110          115          120
271 Thr Gln Gln Met Pro Ser Leu Ser Ser Ser Gln Gln Trp Gln Arg Pro
272           125          130          135
274 Leu Leu Arg Ser Lys Ile Leu Arg Ser Leu Gln Ala Phe Leu Ala Ile
275 140           145           150           155
277 Ala Ala Arg Val Phe Ala His Gly Ala Ala Thr Leu Thr Glu Pro Leu
278           160           165           170

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/658,699

DATE: 09/27/2000
TIME: 09:59:26

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\09272000\I658699.raw

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281 175
285 <210> SEQ ID NO: 5
286 <211> LENGTH: 102
287 <212> TYPE: PRT
288 <213> ORGANISM: Unknown Organism
289 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Sus sp.
293 <400> SEQUENCE: 5
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295 1 5 10 15
297 Leu Gly Ser Asp Ile Phe Thr Gly Glu Pro Ser Leu His Pro Asp Gly
298 20 25 30
300 Ser Val Gly Gln Leu His Ala Ser Leu Leu Gly Leu Arg Gln Leu Leu
301 35 40 45
303 Gln Pro Glu Gly His His Trp Glu Thr Glu Gln Thr Pro Ser Pro Ser
304 50 55 60
306 Pro Ser Gln Pro Trp Gln Arg Leu Leu Leu Arg Leu Lys Ile Leu Arg
307 65 70 75 80
309 Ser Leu Gln Ala Phe Val Ala Val Ala Ala Arg Val Phe Ala His Gly
310 85 90 95
312 Ala Ala Thr Leu Ser Gln
313 100

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/658,699
DATE: 09/27/2000
TIME: 09:59:27

Input Set : A:\Cpg.pto
Output Set: N:\CRF3\09272000\I658699.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/658,699

DATE: 09/22/2000
TIME: 15:01:35

Input Set : A:\DX01042X US sequence listing.txt
Output Set: N:\CRF3\09222000\I658699.raw

3 <110> APPLICANT: De Waal Malefyt, Rene
 4 Kastelein, Robert A.
 5 Lira, Sergio A.
 6 Narula, Satwant
 7 Oppmann, Birgit
 8 Rennick, Donna M.
 9 Wiekowski, Maria
 11 <120> TITLE OF INVENTION: Mammalian Cytokines; Related Reagents and Methods
 13 <130> FILE REFERENCE: DX01042X US
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/658,699
 C--> 16 <141> CURRENT FILING DATE: 2000-09-08
 18 <150> PRIOR APPLICATION NUMBER: 09/393,090
 19 <151> PRIOR FILING DATE: 1999-09-09
 21 <150> PRIOR APPLICATION NUMBER: 60/164,616
 22 <151> PRIOR FILING DATE: 1999-11-10
 24 <160> NUMBER OF SEQ ID NOS: 5
 26 <170> SOFTWARE: PatentIn Ver. 2.1
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 29 <211> LENGTH: 570
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 38 <221> NAME/KEY: CDS /
 39 <222> LOCATION: (1)..(567)
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 42 <221> NAME/KEY: mat_peptide /
 43 <222> LOCATION: (64)..(567)
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 48 -20 -15 -10
 50 gct cag ggc aga gct gtg cct ggg ggc agc agc cct gcc tgg act cag 96
 51 Ala Gln Gly Arg Ala Val Pro Gly Gly Ser Ser Pro Ala Trp Thr Gln
 52 -5 -1 1 5 10
 54 tgc cag cag ctt tca cag aag ctc tgc aca ctg gcc tgg agt gca cat 144
 55 Cys Gln Gln Leu Ser Gln Lys Leu Cys Thr Leu Ala Trp Ser Ala His
 56 15 20 25
 58 cca cta gtg gga cac atg gat cta aga gaa gag gga gat gaa gag act 192
 59 Pro Leu Val Gly His Met Asp Leu Arg Glu Glu Gly Asp Glu Glu Thr
 60 30 35 40
 62 aca aat gat gtt ccc cat atc cag tgt gga gat ggc tgt gac ccc caa 240
 63 Thr Asn Asp Val Pro His Ile Gln Cys Gly Asp Gly Cys Asp Pro Gln
 64 45 50 55
 66 gga ctc agg aac agt cag ttc tgc ttg caa agg atc cac cac ggt 288

Does Not Comply
Corrected Diskette Needed

PP. 2,4

Input Set : A:\DX01042X US sequence listing.txt
Output Set: N:\CRF3\09222000\I658699.raw

67 Gly Leu Arg Asp Asn Ser Gln Phe Cys Leu Gln Arg Ile His Gln Gly
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70 ctg att ttt tat gag aag ctg cta gga tcg gat att ttc aca ggg gag 336
71 Leu Ile Phe Tyr Glu Lys Leu Leu Gly Ser Asp Ile Phe Thr Gly Glu
72 . 80 85 90
74 cct tct ctg ctc cct gat agc cct gtg gcg cag ctt cat gcc tcc cta 384
75 Pro Ser Leu Leu Pro Asp Ser Pro Val Ala Gln Leu His Ala Ser Leu
76 95 100 105
78 ctg ggc ctc agc caa ctc ctg cag cct gag ggt cac cac tgg gag act 432
79 Leu Gly Leu Ser Gln Leu Leu Gln Pro Glu Gly His His Trp Glu Thr
80 110 115 120
82 cag cag att cca agc ctc agt ccc agc cag cca tgg cag cgt ctc ctt 480
83 Gln Gln Ile Pro Ser Leu Ser Pro Ser Gln Pro Trp Gln Arg Leu Leu
84 125 130 135
86 ctc cgc ttc aaa atc ctt cgc agc ctc cag gcc ttt gtg gct gta gcc 528
87 Leu Arg Phe Lys Ile Leu Arg Ser Leu Gln Ala Phe Val Ala Val Ala
88 140 145 150 155
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92 160 165

95 <210> SEQ ID NO: 2
96 <211> LENGTH: 189
97 <212> TYPE: PRT
98 <213> ORGANISM: Unknown Organism
W--> 99 <220> FEATURE
99 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Homo
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109 Cys Gln Gln Leu Ser Gln Lys Leu Cys Thr Leu Ala Trp Ser Ala His
110 15 20 25
112 Pro Leu Val Gly His Met Asp Leu Arg Glu Glu Gly Asp Glu Glu Thr
113 30 35 40
115 Thr Asn Asp Val Pro His Ile Gln Cys Gly Asp Gly Cys Asp Pro Gln
116 45 50 55
118 Gly Leu Arg Asp Asn Ser Gln Phe Cys Leu Gln Arg Ile His Gln Gly
119 60 65 70 75
121 Leu Ile Phe Tyr Glu Lys Leu Leu Gly Ser Asp Ile Phe Thr Gly Glu
122 80 85 90
124 Pro Ser Leu Leu Pro Asp Ser Pro Val Ala Gln Leu His Ala Ser Leu
125 95 100 105
127 Leu Gly Leu Ser Gln Leu Leu Gln Pro Glu Gly His His Trp Glu Thr
128 110 115 120
130 Gln Gln Ile Pro Ser Leu Ser Pro Ser Gln Pro Trp Gln Arg Leu Leu
131 125 130 135
133 Leu Arg Phe Lys Ile Leu Arg Ser Leu Gln Ala Phe Val Ala Val Ala
134 140 145 150 155

<220> feature is
required here.

Input Set : A:\DX01042X US sequence listing.txt
Output Set: N:\CRF3\09222000\I658699.raw

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146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Mus sp.
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150 <221> NAME/KEY: CDS
151 <222> LOCATION: (113)..(700)
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154 <221> NAME/KEY: mat_peptide '
155 <222> LOCATION: (176)..(700)
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161 Met Leu
162 -20
164 gat tgc aga gca gta ata atg cta tgg ctg ttg ccc tgg gtc act cag 166
165 Asp Cys Arg Ala Val Ile Met Leu Trp Leu Leu Pro Trp Val Thr Gln
166 -15 -10 -5
168 ggc ctg gct gtg cct agg agt agc agt cct gac tgg gct cag tgc cag 214
169 Gly Leu Ala Val Pro Arg Ser Ser Ser Pro Asp Trp Ala Gln Cys Gln
170 -1 1 5 10
172 cag ctc tct cgg aat ctc tgc atg cta gcc tgg aac gca cat gca cca 262
173 Gln Leu Ser Arg Asn Leu Cys Met Leu Ala Trp Asn Ala His Ala Pro
174 15 20 25
176 gcg gga cat atg aat cta cta aga gaa gaa gag gat gaa gag act aaa 310
177 Ala Gly His Met Asn Leu Leu Arg Glu Glu Asp Glu Glu Thr Lys
178 30 35 40 45
180 aat aat gtg ccc cgt atc cag tgt gaa gat ggt tgt gac cca caa gga 358
181 Asn Asn Val Pro Arg Ile Gln Cys Glu Asp Gly Cys Asp Pro Gln Gly
182 50 55 60
184 ctc aag gac aac agc cag ttc tgc ttg caa agg atc cgc caa ggt ctg 406
185 Leu Lys Asp Asn Ser Gln Phe Cys Leu Gln Arg Ile Arg Gln Gly Leu
186 65 70 75
188 gct ttt tat aag cac ctg ctt gac tct gac atc ttc aaa ggg gag cct 454
189 Ala Phe Tyr Lys His Leu Leu Asp Ser Asp Ile Phe Lys Gly Glu Pro
190 80 85 90
192 gct cta ctc cct gat agc ccc atg gag caa ctt cac acc tcc cta cta 502
193 Ala Leu Leu Pro Asp Ser Pro Met Glu Gln Leu His Thr Ser Leu Leu
194 95 100 105
196 gga ctc agc caa ctc ctc cag cca gag gat cac ccc cgg gag acc caa 550
197 Gly Leu Ser Gln Leu Leu Gln Pro Glu Asp His Pro Arg Glu Thr Gln
198 110 115 120 125
200 cag atg ccc agc ctg agt tct agt cag cag tgg cag cgc ccc ctt ctc 598
201 Gln Met Pro Ser Leu Ser Ser Gln Gln Trp Gln Arg Pro Leu Leu
202 130 135 140

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/658,699

DATE: 09/22/2000

TIME: 15:01:35

Input Set : A:\DX01042X US sequence listing.txt
Output Set: N:\CRF3\09222000\I658699.raw

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206 145 150 155
208 cgg gtc ttt gcc cac gga gca gca act ctg act gag ccc tta gtg cca 694
209 Arg Val Phe Ala His Gly Ala Ala Thr Leu Thr Glu Pro Leu Val Pro
210 160 165 170
212 aca gct taaggatgcc caggttccca tggctaccat gataagacta atctatcage 750
213 Thr Ala
214 175
216 ccagacatct accagttaat taacccatta ggacttgtgc tgttcttgc tcgtttgtt 810
218 tgcgtgaagg gcaaggacac cattataaa gagaaaaagaa acaaaaccca gagcaggcag 870
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228 agacagcagc tctgtacccg ctgtctgtt ccctcagttc taacagaatc tagtactaa 1170
230 gaactaacag gactcaaat acgaactgac aaa 1203
233 <210> SEQ ID NO: 4
234 <211> LENGTH: 196
235 <212> TYPE: PRT
236 <213> ORGANISM: Unknown Organism

W--> 237 <220> FEATURE:

<220> feature
is required here

237 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Mus sp.
239 <400> SEQUENCE: 4
240 Met Leu Asp Cys Arg Ala Val Ile Met Leu Trp Leu Leu Pro Trp Val
241 -20 -15 -10
243 Thr Gln Gly Leu Ala Val Pro Arg Ser Ser Ser Pro Asp Trp Ala Gln
244 -5 -1 1 5 10
246 Cys Gln Gln Leu Ser Arg Asn Leu Cys Met Leu Ala Trp Asn Ala His
247 15 20 25
249 Ala Pro Ala Gly His Met Asn Leu Leu Arg Glu Glu Asp Glu Glu
250 30 35 40
252 Thr Lys Asn Asn Val Pro Arg Ile Gln Cys Glu Asp Gly Cys Asp Pro
253 45 50 55
255 Gln Gly Leu Lys Asp Asn Ser Gln Phe Cys Leu Gln Arg Ile Arg Gln
256 60 65 70 75
258 Gly Leu Ala Phe Tyr Lys His Leu Leu Asp Ser Asp Ile Phe Lys Gly
259 80 85 90
261 Glu Pro Ala Leu Leu Pro Asp Ser Pro Met Glu Gln Leu His Thr Ser
262 95 100 105
264 Leu Leu Gly Leu Ser Gln Leu Leu Gln Pro Glu Asp His Pro Arg Glu
265 110 115 120
267 Thr Gln Gln Met Pro Ser Leu Ser Ser Ser Gln Gln Trp Gln Arg Pro
268 125 130 135
270 Leu Leu Arg Ser Lys Ile Leu Arg Ser Leu Gln Ala Phe Leu Ala Ile
271 140 145 150 155
273 Ala Ala Arg Val Phe Ala His Gly Ala Ala Thr Leu Thr Glu Pro Leu
274 160 165 170
276 Val Pro Thr Ala

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/658,699

DATE: 09/22/2000
TIME: 15:01:35

Input Set : A:\DX01042X US sequence listing.txt
Output Set: N:\CRF3\09222000\I658699.raw

277 175
281 <210> SEQ ID NO: 5
282 <211> LENGTH: 102
283 <212> TYPE: PRT
284 <213> ORGANISM: Unknown Organism
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Unknown Organism: surmised Sus sp.
289 <400> SEQUENCE: 5
290 Ser Cys Ieu Gln Arg Ile His Gln Gly Leu Val Phe Tyr Glu Lys Leu
291 1 5 10 15
293 Leu Gly Ser Asp Ile Phe Thr Gly Glu Pro Ser Leu His Pro Asp Gly
294 20 25 30
296 Ser Val Gly Gln Leu His Ala Ser Leu Leu Gly Leu Arg Gln Leu Leu
297 35 40 45
299 Gln Pro Glu Gly His His Trp Glu Thr Glu Gln Thr Pro Ser Pro Ser
300 50 55 60
302 Pro Ser Gln Pro Trp Gln Arg Leu Leu Leu Arg Leu Lys Ile Leu Arg
303 65 70 75 80
305 Ser Leu Gln Ala Phe Val Ala Val Ala Ala Arg Val Phe Ala His GLY
306 85 90 95
308 Ala Ala Thr Leu Ser Gln
309 100

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/658,699

DATE: 09/22/2000

TIME: 15:01:36

Input Set : A:\DX01042X US sequence listing.txt
Output Set: N:\CRF3\09222000\I658699.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:99 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:237 M:258 W: Mandatory Feature missing, <220> FEATURE: